

What Is Claimed Is:

1. An ink composition in which a pigment is dispersed in a solvent, and comprising a copolymer that contains structural units  
5 originating in an aromatic compound monomer and structural units originating in a C<sub>5</sub> or higher diene compound and/or structural units originating in a non-diene compound, wherein the copolymer has a sulfonic acid group, and the proportion of structural units originating in the aromatic compound monomer is 30 to 60 wt% with  
10 respect to the weight of the copolymer (100 wt%).

2. The ink composition according to Claim 1, wherein the aromatic compound monomer is selected from the group consisting of styrene,  $\alpha$ -methylstyrene, o-methylstyrene, p-methylstyrene,  
15 m-methylstyrene, chlorostyrene, and vinyl benzoate.

3. The ink composition according to Claim 1 or 2, wherein the copolymer is contained as an emulsion.

20 4. The ink composition according to any of Claims 1 to 3, wherein the non-diene compound is an acrylic compound.

5. The ink composition according to Claim 1, wherein the pigment is dispersed in a solvent by a macromolecular compound  
25 having a carboxyl group.

6. The ink composition according to Claim 5, wherein the macromolecular compound having a carboxyl group is a styrene-acrylic acid resin.

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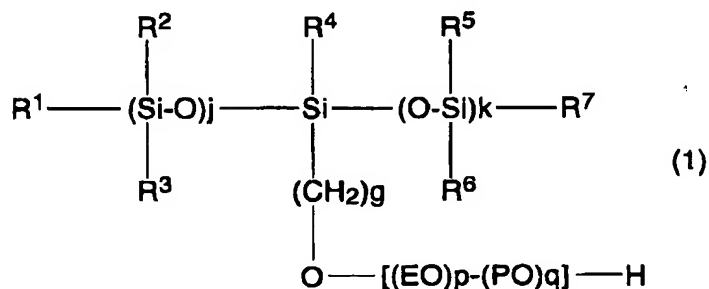
7. The ink composition according to any of Claims 1 to 6, further containing a 1,2-alkanediol.

8. The ink composition according to Claim 7, wherein the 1,2-alkanediol is 1,2-hexanediol.

9. The ink composition according to Claim 7 or 8, wherein  
5 the 1,2-alkanediol is contained in an amount of 1 to 15 wt%.

10. The ink composition according to any of Claims 1 to 9, further containing a polyether-modified organosiloxane compound.

10 11. The ink composition according to Claim 10, wherein the polyether-modified organosiloxane compound is expressed by the following formula:



(where  $R^1$  to  $R^7$  are each independently a  $C_1$  to  $C_6$  alkyl group,  
15  $j$ ,  $k$ , and  $g$  are each independently an integer greater than or equal to 1, EO is an ethyleneoxy group, PO is a propyleneoxy group,  $p$  and  $q$  are integers greater than or equal to 0,  $p + q$  is an integer greater than or equal to 1, and EO and PO may be random or block regardless of their order within the brackets).

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12. The ink composition according to any of Claims 1 to 11, further containing an alkyl ether of a polyhydric alcohol.

13. The ink composition according to Claim 12, wherein the  
25 alkyl ether of a polyhydric alcohol is selected from the group consisting of ethylene glycol monoethyl ether, ethylene glycol monobutyl ether, diethylene glycol monomethyl ether, diethylene glycol monoethyl ether, diethylene glycol monobutyl ether,

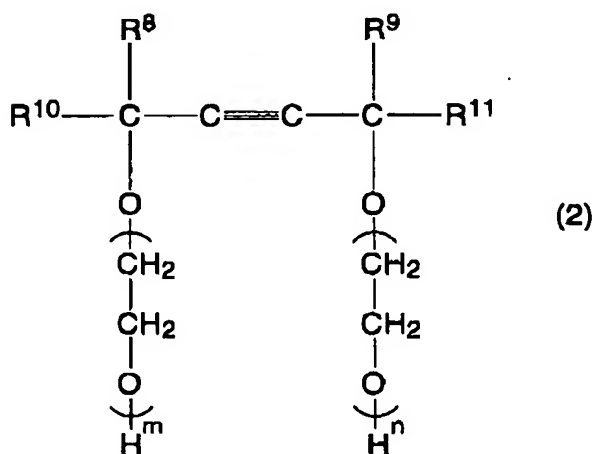
triethylene glycol monomethyl ether, triethylene glycol monoethyl ether, and triethylene glycol monobutyl ether.

14. The ink composition according to Claim 12 or 13, wherein  
5 the alkyl ether of a polyhydric alcohol is triethylene glycol monobutyl ether.

15. The ink composition according to any of Claims 1 to 14,  
further containing an acetylene glycol-based surfactant.

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16. The ink composition according to Claim 15, wherein the acetylene glycol-based surfactant is expressed by the following formula:



15 (where  $0 \leq m + n \leq 50$ , and  $\text{R}^8$  to  $\text{R}^{11}$  are each independently an alkyl group).

17. A recording method, comprising the step of applying the  
ink composition according to any of Claims 1 to 16 to a recording  
20 medium so as to form an image.

18. Recording matter produced by forming an image by  
applying the ink composition according to any of Claims 1 to 16  
to a recording medium.